ABSTRACT OF THE DISCLOSURE

A susceptor device comprises a base body, an electrostatic absorbing inner electrode which is disposed on a bottom surface b of the base body, a power supplying terminal, an insulating sprayed layer which coats the electrostatic absorbing inner electrode and a connecting section for the power supplying terminal and the electrostatic absorbing inner electrode, and a temperature controlling section. The insulating sprayed layer and the temperature controlling section are attached together unitarily via the bonding agent layer. The flange c of the base body fits to a notched section a of the temperature controlling section such that the electrostatic absorbing inner electrode, insulating sprayed layer, and the bonding agent layer should be sealed from thereoutside. It is possible to form a thin supporting plate and improve controllability for temperature on the plate sample and transparency for the plasma.